

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A device comprising:

a valve to receive a pressurized coolant at a first temperature and to discharge a depressurized gaseous coolant at a second temperature;

a plenum to receive the depressurized gaseous coolant and to combine the depressurized gaseous coolant with air at a third temperature;

an air intake port;

an air intake valve to control passage of air through the air intake port and into the plenum; and

a garment for placing in contact with a body of a patient to circulate the combined gaseous coolant and air proximate to the body of the patient.

Claim 2 (Original): The device of claim 1, in which the coolant comprises at least one of oxygen, nitrogen, air and carbon dioxide.

Claim 3 (Original): The device of claim 1, in which the pressurized coolant comprises a pressurized liquid gas.

Claim 4 (Original): The device of claim 1, further comprising a coolant supply to store the pressurized coolant and a supply conduit to transport the pressurized coolant to the valve.

Claim 5 (Currently Amended): The device of claim 1, in which the valve that receives the pressurized coolant is disposed less than two meters from the garment.

Claim 6 (Original): The device of claim 1, further comprising a coolant delivery conduit to convey the combined gaseous coolant and air from the plenum to the garment.

Claim 7 (Cancelled).

Claim 8 (Original): The device of claim 1, further comprising a sensor to sense a temperature in the plenum.

Claim 9 (Original): The device of claim 1, further comprising a motor, in which the discharge of the depressurized gaseous coolant from the valve drives the motor.

Claim 10 (Original): The device of claim 1, further comprising an air-moving device to move at least one of the depressurized gaseous coolant and the air.

Claim 11 (Currently Amended): A system comprising:

a valve to receive a pressurized coolant at a first temperature and to discharge a depressurized gaseous coolant at a second temperature;

a plenum to receive the depressurized gaseous coolant and to combine the depressurized gaseous coolant with air at a third temperature;

an air intake port;

an air intake valve to control passage of air through the air intake port and into the plenum; and

a controller to control the valve as a function of a signal from a temperature sensor.

Claim 12 (Original): The system of claim 11, in which the temperature sensor is disposed in the plenum.

Claim 13 (Original): The system of claim 11, further comprising a garment for placing in contact with a body of a patient to circulate the combined gaseous coolant and air proximate to the body of the patient.

Claim 14 (Original): The system of claim 13, in which the temperature sensor is disposed in the garment.

Claim 15 (Currently Amended): The system of claim 13, in which the valve that receives the pressurized coolant is disposed less than two meters from the garment.

Claim 16 (Original): The system of claim 11, further comprising an input device, in which the controller receives commands from an operator via the input device.

Claim 17 (Original): The system of claim 11, further comprising a coolant supply to supply the pressurized coolant to the valve.

Claim 18 (Original): The system of claim 17, further comprising a supply conduit to transport the pressurized coolant from the coolant supply to the valve.

Claim 19 (Original): The system of claim 11, further comprising a motor, in which the discharge of the depressurized gaseous coolant from the valve drives the motor.

Claim 20 (Original): The system of claim 11, in which the coolant comprises at least one of oxygen, nitrogen, air and carbon dioxide.

Claim 21 (Original): The system of claim 11, in which the pressurized coolant comprises a pressurized liquid gas.

Claim 22 (Cancelled).

Claim 23 (Currently Amended): The system of claim ~~11~~22, in which the controller controls the air intake valve as a function of a signal from the temperature sensor.

Claim 24 (Currently Amended): The system of claim 11, further comprising a second sensor, in which the controller controls the valve that receives the pressurized coolant as a function of a signal from the second sensor.

Claim 25 (Original): The system of claim 24, in which the second sensor comprises at least one of an oxygen saturation sensor, a blood flow sensor, a heart rate sensor, a respiration sensor and an electrocardiogram sensor.

Claims 26-30 (Cancelled).

Claim 31 (New): A device comprising:

- a valve to receive a pressurized coolant at a first temperature and to discharge a depressurized gaseous coolant at a second temperature;
- a plenum to receive the depressurized gaseous coolant and to combine the depressurized gaseous coolant with air at a third temperature;
- a sensor to sense a temperature in the plenum; and
- a garment for placing in contact with a body of a patient to circulate the combined gaseous coolant and air proximate to the body of the patient.

Claim 32 (New): The device of claim 31, in which the valve that receives the pressurized coolant is disposed less than two meters from the garment.

Claim 33 (New): The device of claim 31, further comprising a coolant delivery conduit to convey the combined gaseous coolant and air from the plenum to the garment.

Claim 34 (New): The device of claim 31, further comprising a motor, in which the discharge of the depressurized gaseous coolant from the valve drives the motor.

Claim 35 (New): The device of claim 31, further comprising an air-moving device to move at least one of the depressurized gaseous coolant and the air.

Claim 36 (New): A system comprising:

a valve to receive a pressurized coolant at a first temperature and to discharge a depressurized gaseous coolant at a second temperature;
a plenum to receive the depressurized gaseous coolant and to combine the depressurized gaseous coolant with air at a third temperature; and
a controller to control the valve as a function of a signal from a temperature sensor disposed in the plenum.

Claim 37 (New): The system of claim 36, further comprising a garment for placing in contact with a body of a patient to circulate the combined gaseous coolant and air proximate to the body of the patient.

Claim 38 (New): The system of claim 37, in which the valve that receives the pressurized coolant is disposed less than two meters from the garment.

Claim 39 (New): The system of claim 36, further comprising a motor, in which the discharge of the depressurized gaseous coolant from the valve drives the motor.